

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: U.S. Patent No. 7,889,597

USPTO CONFIRMATION CODE: 9080

APPLICATION NO.: 10/576,827

PCT FILED: October 22, 2004

U.S. FILED: April 24, 2006

EXAMINER: Jack Keith

GROUP ART UNIT: 3663

FOR: METHOD OF PROCESSING SEISMIC DATA ACQUIRED BY MEANS OF
MULTI-COMPONENT SENSORS

**37 CFR 1.322 & 37 CFR 1.323 REQUEST FOR CERTIFICATE OF
CORRECTION
FOR USPTO AND/OR APPLICANT MISTAKE**

Commissioner for Patents
Alexandria, VA 22313-1450

Sir:

The following is a request for a certificate of correction in Serial Number 10/576,827, now Patent Number 7,889,597.

A certificate of correction under 35 USC 254 is respectfully requested in the above-identified patent.

Some of the errors were the fault of the applicant and, accordingly, the fee of **\$100.00** is enclosed.

The exact locations where the errors appear in the patent and patent application are as follows:

In Fig. 2, Sheet 1 of 2, delete "Minimization of $R_{trsv}(g_{ref})^2$ " and insert -- Minimization of $|R_{trsv}(g_{ref})|^2$ --, therefor.

(ORIGINALLY FILED SPECIFICATION, IN THE DRAWINGS DATED APRIL 24, 2006, SHEET 1/2 (PAGE 236 OF FW), FIGURE 2)

In Column 5, Lines 22-23, delete

$$m_k = \frac{Rpp \cos(\psi) \delta p p_k + (Rps \cos(\theta_k - \phi) + \delta Rps \cos(\theta_k + \phi - 2\alpha)) \sin(\psi) \delta p s_k}{2\alpha} \quad \text{and insert --}$$

$$m_k = \frac{Rpp \cos(\psi) \delta p p_k + (Rps \cos(\theta_k - \phi) + \delta Rps \cos(\theta_k + \phi - 2\alpha)) \sin(\psi) \delta p s_k}{2\alpha} \quad \text{-- , therefor.}$$

(ORIGINALLY FILED SPECIFICATION DATED APRIL 24, 2006, PAGE 9 (PAGE 230 OF FW), LINES 16-17)

In Column 5, Lines 42-43, delete

$$\Delta n_{iso} R_{trsv} \sin(\psi) = (-Kac \cos(\phi) - Kas \sin(\psi)) \sin(2(\alpha - \phi)) \quad \text{and insert --}$$

$$\Delta n_{iso} R_{trsv} \sin(\psi) = (-Kac \cos(\phi) - Kas \sin(\phi)) \sin(2(\alpha - \phi)) \quad \text{-- , therefor.}$$

(ORIGINALLY FILED SPECIFICATION DATED APRIL 24, 2006, PAGE 9 (PAGE 230 OF FW), LINES 27-28)

The requested corrections are attached on Form PTO 1050.

Respectfully submitted,

POTOMAC PATENT GROUP PLLC

By: /Remus F. Fetea/

Remus F. Fetea, Ph.D.
Registration No. 59,140

Date: January 30, 2012
Customer No. 11171
Potomac Patent Group PLLC
P.O. Box 270
Fredericksburg, VA 22404
(540) 361-2601

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,889,597 B2
APPLICATION NO. : 10/576,827
ISSUE DATE : February 15, 2011
INVENTOR(S) : Bruno Gratacos

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Fig. 2, Sheet 1 of 2, delete "Minimization of $R_{trsv}(g_{ref})^{23}$ " and insert - - Minimization of $|R_{trsv}(g_{ref})|^2$ - -, therefor.

$$m_k = Rpp \cos(\psi) \delta p p_k + (Rps \cos(\theta_k - \phi) + \delta Rps \cos(\theta_k + \phi - 2\alpha)) \sin(\psi) \delta p s_k^2$$

In Column 5, Lines 22-23, delete " $m_k = Rpp \cos(\psi) \delta p p_k + (Rps \cos(\theta_k - \phi) + \delta Rps \cos(\theta_k + \phi - 2\alpha)) \sin(\psi) \delta p s_k^2$ " and insert - - , therefor.

$$\Delta niso Rtrsv \sin(\psi) = (-Kac \cos(\phi) - Kas \sin(\psi)) \sin(2(\alpha - \phi))$$

In Column 5, Lines 42-43, delete " $\Delta niso Rtrsv \sin(\psi) = (-Kac \cos(\phi) - Kas \sin(\psi)) \sin(2(\alpha - \phi))$ " and insert - - , therefor.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Potomac Patent Group PLC.
P.O. Box 270
Fredericksburg VA, 22404

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.